

Amendments to the Claims

Please cancel Claims 4 and 12 without prejudice or disclaimer of the subject matter recited therein.

Please amend Claims 1-3, 5-11 and add 13-26 add Claim 27 as follows.

1. (Currently Amended) A recording apparatus comprising:

a conveyance roller;

a driven roller rotating as driven from the conveyance roller;

pressing means for pressing the driven roller to the conveyance roller;

a bearing for supporting the conveyance roller;

driving means for rotating the conveyance roller; and

drive transmitting means,

wherein the bearing includes two contact portions ~~with~~ for contacting the circumference of a spindle for supporting the conveyance roller, and

wherein the bearing supports the conveyance roller so as to locate a ~~perpendicular~~ direction of perpendicular to a line coupling the two contact portions within a ~~varying~~ range of a vector ~~direction~~ directions of varying exertion ~~force~~ forces exerted to on the bearing ~~at a time of stop and operation of the conveyance roller~~ when the conveyance roller is stopped and when the conveyance roller is rotating.

2. (Currently Amended) The recording apparatus according to Claim 1, wherein the ~~perpendicular direction of perpendicular to~~ the line coupling the two contact portions coincides to with a combined vector direction of ~~the two vectors existing at each pole in the varying range of the vector direction of the exertion force~~ a vector direction of an exerting force exerted on the bearing when the conveyance roller is stopped and a vector direction of an exerting force furthest from the exerting force exerted on the bearing when the conveyance roller is stopped or is located closer to the vector direction of the exertion force at the time ~~of stop of~~ the conveyance roller is stopped than to the combined vector direction.

3. (Currently Amended) The recording apparatus according to Claim 1, wherein a diameter of the spindle ~~equals~~ is equal to a diameter of the conveyance roller.

4. (Canceled).

5. (Currently Amended) The recording apparatus according to Claim 1, wherein the bearing supports the spindle at both sides of the conveyance roller.

6. (Currently Amended) The recording apparatus according to one of ~~claim~~ Claims 2, 3 and ~~to claim~~ 5, wherein the two contact portions are in a plane.

7. (Currently Amended) A recording apparatus comprising:

- a conveyance roller;
- a driven roller rotating as driven from the conveyance roller;
- pushing means for pushing the driven roller to the conveyance roller;
- a bearing for supporting the conveyance roller;
- a chassis for supporting the conveyance roller;
- driving means for rotating the conveyance roller; and
- drive transmitting means,

wherein the chassis includes two contact portions for supporting the circumference of the bearing, and

wherein the chassis supports the bearing as to locate a ~~perpendicular~~ direction of perpendicular to a line coupling the two contact portions within a ~~varying~~ range of a vector ~~direction~~ directions of varying exertion ~~force~~ forces exerted ~~to on~~ the bearing ~~at a time of stop and operation of the conveyance roller~~ when the conveyance roller is stopped and when the conveyance roller is rotating.

8. (Currently Amended) The recording apparatus according to Claim 7, wherein the ~~perpendicular~~ direction of perpendicular to the line coupling the two contact portions coincides ~~to with~~ a combined vector direction of ~~the two vectors existing at each pole in the varying range of the vector direction of the exertion force~~ a vector direction of an exerting force exerted on the bearing when the conveyance roller is stopped and a vector direction of an exerting force furthest from the exerting force exerted on the bearing when

the conveyance roller is stopped or is located closer to the vector direction of the exertion force at the time ~~of stop~~ of the conveyance roller is stopped than to the combined vector direction.

9. (Currently Amended) The recording apparatus according to ~~one of~~ claim Claim 7 ~~to claim~~ or Claim 8, wherein the two contact portions are in a plane.

10. (Currently Amended) A recording apparatus comprising:
a conveyance roller;
a driven roller rotating as driven from the conveyance roller;
pushing means for pushing the driven roller to the conveyance roller;
a bearing for supporting the conveyance roller;
a chassis for supporting the conveyance roller;
driving means for rotating the conveyance roller; and
drive transmitting means,
wherein the bearing includes two contact portions for ~~supporting the~~
~~circumference of~~ contacting the conveyance roller,
wherein the chassis includes two contact portions for supporting the
circumference of the bearing,

wherein the bearing supports the conveyance roller so as to locate a perpendicular direction of perpendicular to a line coupling the two contact portions of the bearing within a varying range of a vector direction directions of varying exertion force forces exerted to on the bearing at a time of stop and operation of the conveyance roller when the conveyance roller is stopped and when the conveyance roller is rotating, and

wherein the chassis supports the bearing so as to locate a perpendicular direction of perpendicular to a line coupling the two contact portions of the chassis within a varying range of a vector direction directions of exertion force forces exerted to on the bearing at a time of stop and operation of the conveyance roller when the conveyance roller is stopped and when the conveyance roller is rotating.

11. (Currently Amended) The recording apparatus according to Claim 10, wherein the conveyance roller has a spindle portion supported by the bearing and a roller portion for conveying performance, and a diameter of the spindle equals to a diameter of the conveyance roller.

12. (Canceled).

13. (Currently Amended) The recording apparatus according to Claim 10, wherein the conveyance roller has a spindle supported by the bearing and a roller portion for conveying performance, and the bearing supports the spindle at both sides of the conveyance roller.

14. (Currently Amended) The recording apparatus according to Claim 10, wherein the ~~perpendicular direction of perpendicular to the line coupling the two contact portions pertaining respectively to~~ of the bearing and the direction perpendicular to the line coupling the two contact portions of the chassis coincides to coincide with a combined vector direction of ~~the two vectors existing at each pole in the varying range of the vector direction of the exertion force~~ vector directions of exerting forces exerted on the bearing and the chassis when the conveyance roller is stopped and vector directions of exerting forces furthest from the exerting forces exerted on the bearing and the chassis when the conveyance roller is stopped or is located closer to the vector ~~direction~~ directions of the exertion ~~force~~ forces at the time ~~of stop of the conveyance roller is stopped~~ than to the combined vector direction.

15. (Currently Amended) The recording apparatus according to ~~claim one of Claims 10, 11, 13 and to claim 14~~, wherein the two contact portions ~~pertaining respectively to~~ of the bearing and the chassis are in a plane and the two contact portions of the chassis are in a plane.

16. (Currently Amended) The recording apparatus according to Claim 15, wherein ~~the~~ a contact portion ~~pertaining to~~ of the bearing and the a contact portion ~~pertaining to~~ of the chassis are located on the a same line passing through the center of the conveyance roller.

17. (Currently Amended) A recording apparatus for forming images on a recording medium, comprising:

a conveyance roller for conveying the recording medium;
a driven roller rotating as driven from the conveyance roller;
pressing means for pressing the driven roller to the conveyance roller; and
a bearing for supporting the conveyance roller; ~~and,~~

wherein the bearing is in contact with an outer peripheral surface of the conveyance roller and includes two contact portions disposed in parallel to an axial direction of the conveyance roller, and

wherein a ~~perpendicular~~ direction of perpendicular to a line coupling the two contact portions is located, in an arbitrary ~~cross-section~~ cross-section perpendicular to the axial direction of the conveyance roller, within a ~~varying~~ range of a vector ~~direction~~ directions of varying exertion force forces exerted to on the bearing at a time of stop and operation of the conveyance roller when the conveyance roller is stopped and when the conveyance roller is rotating.

18. (Currently Amended) The recording apparatus according to Claim 17, wherein the ~~perpendicular~~ direction of perpendicular to the line coupling the two contact portions is located between a combined vector direction of ~~the two vectors existing at each pole in the varying range of the vector direction of the exertion force~~ a vector direction of an exerting force exerted on the bearing when the conveyance roller is stopped

and a vector direction of an exerting force furthest from ~~and~~ the vector direction of the exertion force at the time ~~of stop of~~ the conveyance roller is stopped.

19. (Currently Amended) The recording apparatus according to ~~claim~~ Claim 17 or ~~claim~~ Claim 18, wherein the two contact portions are in a plane.

20. (Currently Amended) A recording apparatus for forming images on a recording medium, comprising:

a conveyance roller for conveying the recording medium;

a driven roller rotating as driven from the conveyance roller;

pressing means for pressing the driven roller to the conveyance roller;

a bearing for supporting the conveyance roller; and

a chassis for supporting the bearing; ~~and,~~

wherein the chassis is in contact with an outer peripheral surface of the bearing and includes two contact portions disposed in parallel to an axial direction of the bearing, and

wherein a ~~perpendicular~~ direction of perpendicular to a line coupling the two contact portions is located, in an arbitrary ~~cross-section~~ cross-section perpendicular to the axial direction of the bearing, within a ~~varying~~ range of a vector ~~direction~~ directions of varying exertion force forces exerted to on the bearing ~~at a time of stop and operation of the conveyance roller~~ when the conveyance roller is stopped and when the conveyance roller is rotating.

21. (Currently Amended) The recording apparatus according to Claim 20, wherein the ~~perpendicular~~ direction of perpendicular to the line coupling the two contact portions is located between a combined vector direction of the two vectors existing at each pole in the varying range of the vector direction of the exertion force a vector direction of an exerting force exerted on the bearing when the conveyance roller is stopped and a vector direction of an exerting force furthest from and the vector direction of the exertion force at the time ~~of stop of the conveyance roller~~ is stopped.

22. (Currently Amended) The recording apparatus according to ~~claim~~ Claim 20 or claim Claim 21, wherein the two contact portions are in a plane.

23. (Currently Amended) A recording apparatus for forming images on a recording medium, comprising:

a conveyance roller for conveying the recording medium;

a driven roller rotating as driven from the conveyance roller;

pushing means for pushing the driven roller to the conveyance roller;

a bearing for supporting the conveyance roller; and

a chassis for supporting the bearing; ~~and,~~

wherein the bearing is in contact with an outer peripheral surface of the conveyance roller and includes two contact portions disposed in parallel to an axial direction of the conveyance roller,

wherein the chassis is in contact with an outer peripheral surface of the bearing and includes two contact portions disposed in parallel to an axial direction of the bearing,

wherein a ~~perpendicular~~ direction of perpendicular to a line coupling the two contact portions of the bearing is located, in an arbitrary ~~cross-section~~ cross-section perpendicular to the axial direction of the conveyance roller, within a ~~varying~~ range of a vector ~~direction~~ directions of ~~varying~~ exertion force forces exerted to on the bearing at a ~~time of stop and operation of the conveyance roller~~ when the conveyance roller is stopped and when the conveyance roller is rotating, and

wherein a ~~perpendicular~~ direction of perpendicular to a line coupling the two contact portions of the chassis is located, in an arbitrary ~~cross-section~~ cross-section perpendicular to the axial direction of the bearing, within a ~~varying~~ range of a vector ~~direction~~ directions of ~~varying~~ exertion force forces exerted to on the bearing ~~at a time of stop and operation of the conveyance roller~~ when the conveyance roller is stopped and when the conveyance roller is rotating.

24. (Currently Amended) The recording apparatus according to Claim 23, wherein the ~~perpendicular~~ direction of perpendicular to the line coupling the two contact portions ~~pertaining respectively to~~ of the bearing and the direction perpendicular to the line coupling the two contact portions of the chassis is are located between a combined vector direction ~~of the two vectors existing at each pole in the varying range of the vector~~ direction of the exertion force of vector directions of exerting forces exerted on the bearing

and the chassis when the conveyance roller is stopped and vector directions of exerting forces further from the exerting forces exerted on the bearing and chassis when the conveyance roller is stopped and the vector direction of the exertion force at the time of stop of the conveyance roller.

25. (Currently Amended) The recording apparatus according to ~~claim~~ Claim 23 or ~~claim~~ Claim 24, wherein the two contact portions ~~pertaining to~~ of the bearing ~~and the chassis are in a plane~~ and the two contact portions of the chassis are in a plane.

26. (Currently Amended) The recording apparatus according to Claim 25, wherein ~~the~~ a contact portion ~~pertaining to~~ of the bearing and ~~the~~ a contact portion ~~pertaining to~~ of the chassis are located on ~~the~~ a same line passing through the center of the conveyance roller.

27. (New) A recording apparatus for forming images on a recording medium, comprising:

- a conveyance roller for conveying the recording medium;
- a driven roller rotating as driven from the conveyance roller;
- pressing means for pressing the driven roller to the conveyance roller; and
- a bearing for supporting the conveyance roller,

wherein the bearing is in contact with an outer peripheral surface of the conveyance roller and includes two contact portions disposed in parallel with an axial direction of the conveyance roller, and

wherein a direction perpendicular to a line coupling the two contact portions is located, in an arbitrary cross-section perpendicular to the axial direction of the conveyance roller, to correspond with a combined vector of an exerting force at a state of stopping and an exerting force at a state of starting the conveyance roller.